

DERWENT-ACC-NO: 1982-08281J

DERWENT-WEEK: 198250

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TITLE: Ornamental sintered nickel alloy -  
contains aluminium  
and has gold colour with good wear  
and corrosion  
resistance

PATENT-ASSIGNEE: MITSUBISHI METAL CORP [MITV]

PRIORITY-DATA: 1981JP-0064095 (April 30, 1981)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE	PAGES	MAIN-IPC
JP 57181354 A 003	N/A	November 8, 1982
JP 85047889 B 000	N/A	October 24, 1985
		N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 57181354A 0064095	N/A April 30, 1981	1981JP-

INT-CL (IPC): C22C001/05, C22C019/03

ABSTRACTED-PUB-NO: JP 57181354A

BASIC-ABSTRACT:

Light and hard ornamental Ni-Al sintered alloy having golden colour tone and excellent in wear as well as corrosion resistance, consists of Al 24-30 wt.% and the balance Ni with incidental impurities.

The alloy is provided with density 6.08-6.36 g/cm<sup>3</sup>, Vicker's hardness 520-640, deflective strength 115-135 kg/mm<sup>2</sup> and presents light golden colour. A

commercially available Ni-Al alloy powder of Al 32-33%, may be mixed with a desired amount of Ni powder, sintered 1,300-1,550 deg.C in a reducing, inert gas or vacuum atmosphere, and if required subjected to hot hydrostatic pressure.

TITLE-TERMS: ORNAMENT SINTER NICKEL ALLOY CONTAIN ALUMINIUM GOLD COLOUR WEAR  
CORROSION RESISTANCE

DERWENT-CLASS: M22

CPI-CODES: M26-A02; M26-B08; M26-B08A;